

Pink Star Diamond (Meetpoint Version)

By Kim Lembke, Feb 2017

Angles for R.I. = 2.160

61 + 48 girdles = 109 facets

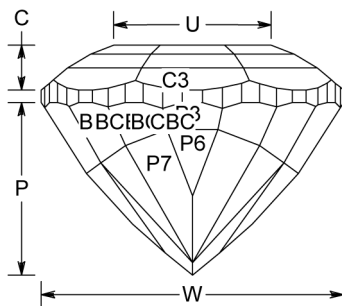
2-fold, mirror-image symmetry

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L/W = 1.305 T/W = 0.680 U/W = 0.521

P/W = 0.571 C/W = 0.149

Vol./W³ = 0.382



CROWN

C1	40.33°	24-72	Cut to TCP
C2	37.20°	14-34-62-82	Cut to TCP
C3	33.06°	96-48	Cut to TCP
A	90.00°	24-72	Establish width
B	90.00°	14-34-62-82	Meet C1, C2
C	90.00°	96-48	Meet C2, C3. -- CUT C4 NEXT

PAVILION

P1	57.58°	24-72	Establish girdle width
P2	56.20°	14-34-62-82	Maintain girdle width
P3	56.67°	96-48	Maintain girdle width -- CUT P4 NEXT --

CROWN

C4	30.73°	24-72	No meet, cut to design
C5	27.99°	14-34-62-82	No meet, cut to design
C6	24.50°	96-48	No meet, cut to design
C7	21.60°	24-72	No meet, cut to design
C8	19.49°	14-34-62-82	No meet, cut to design
C9	16.88°	96-48	No meet, cut to design
T	0.00°	Table	No meet, cut to design -- TRANSFER, CUT P1 NEXT --

PAVILION

P4	56.09°	08-40-56-88	Maintain girdle width
P5	57.00°	19-29-67-77	Maintain girdle width
P6	43.98°	96-48	No meet, cut to design
P7	42.18°	06-42-54-90	Meet P3, P4, P6
P8	42.74°	12-36-60-84	Meet P2, P4, P7
P9	43.50°	18-30-66-78	Meet P2, P5, P8
P10	47.64°	24-72	Meet P1, P5, P9
P11	42.39°	17-31-65-79	Meet P2, P5, P8, P9 -- CUT AB NEXT --
AB	90.00°	19-29-67-77	Maintain girdle width
BC	90.00°	08-40-56-88	Maintain girdle width
AAB	90.00°	22-26-70-74	No meet. Cut to design
ABA	90.00°	21-27-69-75	No meet. Cut to design
ABB	90.00°	18-30-66-78	No meet. Cut to design
BAB	90.00°	16-32-64-80	No meet. Cut to design
BBC	90.00°	12-36-60-84	No meet. Cut to design
BCB	90.00°	10-38-58-86	No meet. Cut to design
BCC	90.00°	05-43-53-91	No meet. Cut to design
CBC	90.00°	03-45-51-93	No meet. Cut to design

The design uses a 1.3 oval. If a preformer is not available for a rolled girdle, start by cutting the crown first as per instructions given. Do not use the 'replay' function, it will only confuse on this one. There will be material loss from cutting the crown preform, but this design is for CZ so its not a big deal.